

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only	
International Application No.	
International Filing Date	
and	
Name of receiving Office and "PCT International Application"	
A 1' (1 C) C	

-				
	Applicant's or agent's (if desired) (12 charac	2001 025		
Box No. I TITLE OF INVENTION A METHOD FOR RAPID FAULT INTERPRETATION OF FAULT SURFACES GENERATED TO FIT THREE-DIMENSIONAL SEISMIC DISCONTINUITY DATA				
Box No. II APPLICANT This person	n is also inventor			
Name and address: (Family name followed by given name; for a legal entity, f The address must include postal code and name of country. The country of the ad Roy is the applicant's State (that is, country) of residence if no State of residence is	idress indicated in this	Telephone No. 713-431-7360		
Box is the applicant's State (that is, country) of residence if no State of residence is	(thatcatea betww.)	Facsimile No.		
P. O. Box 2189		713-431-4664		
Houston, Texas 77252.2189 United States of America		Teleprinter No.		
		Applicant's registration No. with the Office		
State (that is, country) of nationality: US	State (that is, countr	ry) of residence:		
This person is applicant all designated all designated for the purposes of:	ed States except States of America	the United States of America only the States indicated in the Supplemental Box		
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	THER) INVENTOR(S	5)		
Name and address: (Family name followed by given name; for a legal entity, fit The address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is KIM, Chul-Sung 8411 Hunters Creek Drive Houston, Texas 77024 United States of America	ldress indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country	y) of residence:		
This person is applicant all designated all designate for the purposes of:	ed States except States of America	the United States the States indicated in of America only the Supplemental Box		
Further applicants and/or (further) inventors are indicated on	a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE	£; OR ADDRESS FOR	R CORRESPONDENCE		
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf as:	agent common representative		
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) Telephone No. 713-431-7360				
PLUMMER, J. Paul ExxonMobil Upstream Research Company P. O. Box 2189	!	Facsimile No. 713-431-4664		
Houston, Texas 77252.2189 United States of America	1	Teleprinter No.		
		Agent's registration No. with the Office 40,775		
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.				

Sheet	No2	
Continuation of Box No. III FURTHER APPLICANT	S AND/OR (FURT	HER) INVENTOR(S)
If none of the following sub-boxes is used, this sheet should	d not to be included	in the request.
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) GILLARD, Dominique G. 2131 Swift Boulevard Houston, Texas 77030 United States of America		This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: Switzerland	State (that is, coun	try) of residence:
This person is applicant all designated all designate for the purposes of:	ed States except States of America	the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, fi The address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is HOLL, James E. 7807 Hickory Mill Court Houston, Texas 77095 United States of America	dress indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: US	State (that is, count	(ry) of residence:
This person is applicant all designated all designated for the purposes of:	d States except tates of America	the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, furthe address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is DOBIN, Mark 19 Clarion Ridge The Woodlands, Texas 77382 United States of America	ress indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: US	State (that is, count US	ry) of residence:
		the United States the States indicated in of America only the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, full the address must include postal code and name of country. The country of the address must include postal code and name of country. The country of the address is the applicant's State (that is, country) of residence if no State of residence is the applicant's State of the address is the applicant's State of America Houston, Texas 77008 United States of America	ess indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: JS	State (that is, country US	y) of residence:
his person is applicant all designated all designated the United States		he United States the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated on another continuation sheet.		

Form PCT/RO/101 (continuation sheet) (March 2001; reprint January 2003) LegalStar 2003, Form PCTREQ

See Notes to the request form

Chaat	No	3	
SHEEL	INU.		

Bo	x No.	V DESIGNATION OF STATES	}		Mark the applicable check-boxes be	elow; at	least one must be marked.
Th	e follo	wing designations are hereby made un	ıder	Rule	4.9(a):		
Re	gional	l Patent					
	AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line)						
Ø	EA	Eurasian Patent: AM Armenia, A Moldova, RU Russian Federation, T	Z A J Ta	Azerba jikist	aijan, BY Belarus, KG Kyrgyzst an, TM Turkmenistan, and any oth	an, KZ ner State	Z Kazakhstan, MD Republic of e which is a Contracting State of
	European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT						
		OAPI Patent: BF Burkina Faso, Cameroon, GA Gabon, GN Guinea, SN Senegal, TD Chad, TG Togo, at PCT (if other kind of protection or tre	eatm	ent de	esired, specify on dotted line	c, CG 1, ML N of OAF	Congo, CI Côte d'Ivoire, CM Mali, MR Mauritania, NE Niger, PI and a Contracting State of the
1		Patent (if other kind of protection or				_	
_	AE	United Arab Emirates					New Zealand
	AG	Antigua and Barbuda			Croatia		
. —	AL	Albania					
	AM AT	Armenia			Indonesia		Poland
. —	AU	Austria			India		
	AZ	Azerbaijan			Iceland		J Russian Federation
I = I	BA	Bosnia and Herzegovina			Japan		
I =	BB	Barbados	×		Kenya		
-	BG	Bulgaria	=		Kyrgyzstan		
X	BR	Brazil			Democratic People's Republic		Sweden
図	BY	Belarus			of Korea		
	BZ	Belize					
X		Canada	_				Sierra Leone
		& LI Switzerland and Liechtenstein					Tajikistan
=	CN	China			Sri Lanka		1 Turkmenistan
	CO	Colombia	_		Liberia		I Tunisia
. —	CR	Costa Rica					Turkey
	CU	Cuba				ZI TI	Trinidad and Tobago
i —	CZ	Czech Republic			Luxembourg	1 01 mg	Timited Describin of Tongonia
I =	DE	Germany					United Republic of Tanzania Ukraine
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	EC	Ecuador	53	MG			· · · · · · · · · · · · · · · · · · ·
	EE	Estonia					Uzbekistan
	ES	Spain	_	****	Macedonia		Saint Vincent and the Grenadines
	FI	Finland	X	MN			Viet Nam
Ø	GB	United Kingdom			Malawi		V Yugoslavia
Ø	GD	Grenada			Mexico	⊠ ZA	South Africa
X	GE	Georgia			Mozambique		1 Zambia
X	GH	Ghana	X	NO	Norway	⊠ zw	Zimbabwe
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		oxes below reserved for designating S					
		Nicaragua					
		Papua.New Guinea					
other exclusion that the a	aution r design uded f any de applica	nary Designation Statement: In add gnations which would be permitted u from the scope of this statement. The esignation which is not confirmed befor ant at the expiration of that time limit.	ition inder e appore the (Con	to the liplicant the liplicant the exp	ne designations made above, the appearance of th	pplicant licated signatio rity date ceiving C	t also makes under Rule 4.9(b) all in the Supplemental Box as being one are subject to confirmation and e is to be regarded as withdrawn by office within the 15-month time limit.)

Form PCT/RO/101 (second sheet) (January 2003) LegalStar 2003, Form PCTREQ



If, in any of the Boxes, except Boxes Nos VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;

if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;

if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;

(iv)

if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;

if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;

if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.

2.

If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

CONTINUATION OF BOX IV:

SMITH, Charles E. COLLINS, Douglas J. HOEFLING, Marcy M. KATZ, Gary P. LAWSON, Gary D. PLUMMER, J. Paul WARNER, Darrell E. WILSON, Pamela L. WOLFS, Denise Y.

of

EXXONMOBIL UPSTREAM RESEARCH COMPANY

P. O. Box 2189 Houston, Texas 77252-2189 United States of America

	()	Sheet No5		
Box No. VI PRIORI	ITY CLAIM			
The priority of the following	ing earlier application(s) is hereby	y claimed:		
Filing date	Number of earlier application		Where earlier application	n is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	
item (1) (18/10/2002) 18 October 2002	60/419,505	US		
item (2)				
item (3)				
item (4)			 	
item (5)				
Further priority claim	ns are indicated in the Supplemen	ntal Box.		
The receiving Office is reconstructed (only if the earlier application Office) identified above as:	equested to prepare and transmit cation was filed with the Office of	to the International Bur which for the purposes of	eau a certified copy of t of this international app	the earlier application(s)
5 7 🗀		item (3) item (4)	item (5)	other, see Supplemental Box
* Where the earlier applicati Industrial Property or one Me	tion is an ARIPO application, indic ember of the World Trade Organizati	ate at least one country pation for which that earlier ag	rrty to the Paris Conventio plication was filed (Rule 4.	
Box No. VII INTERNA	ATIONAL SEARCHING AUT	PHORITY		
Choice of International S	Searching Authority (ISA) (if the Authority chosen; the two-letter of	two or more International S	Searching Authorities are	competent to carry out the
Request to use results of	earlier search; reference to th		earch has been carried ou	ut by or requested from the
International Searching Author Date (day/month/year)	ority): Number	Country (or regio		-
Box No. VIII DECLAR	ATIONS			
The following declarations check-boxes below and indicate the check-boxes below and in	s are contained in Boxes Nos. Vicate in the right column the num	III (i) to (v) (mark the aj iber of each type of decla	pplicable ration):	Number of declarations
Box No. VIII (i)	Declaration as to the identity	of the inventor	:	:
Box No. VIII (ii)	Declaration as to the applicandate, to apply for and be grant	it's entitlement, as at the inted a patent	nternational filing :	: 1
Box No. VIII (iii)	Declaration as to the applicant date, to claim the priority of the	it's entitlement, as at the ir he earlier application	nternational filing :	6
Box No. VIII (iv)	Declaration of inventorship (o United States of America)	only for the purposes of th	e designation of the :	3
Box No. VIII (v)	Declaration as to non-prejudic	cial disclosures or excepti	ions to lack of novelty:	

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	\bigcirc	Sheet No	6	\bigcirc	
				BE GRANTED A PATENT	
The declaration must of (in general) and the sp	conform to the standardized secific Notes to Box No. VIII	wording provided fo (ii). If this Box is no	r in Section 21 ot used, this sh	12; see Notes to Boxes Nos. VIII, VIII (i) to (seet should not be included in the request.	(v)
Declaration as to the a 51 bis.1(a)(ii)), in a cas	pplicant's entitlement, as at the where the declaration und	the international filin er Rule 4.17(iv) is no	g date, to applot appropriate:	y for and be granted a patent (Rules 4.17(ii)	and
In relation to this I granted a patent by	ntemational Application, y virtue of the following:	ExxonMobil Upstre	am Researc	th Company is entitled to apply for and	be
An Assignment from A. HAUGE to EXX 2002.	m CHUL-SUNG KIM, DOI ONMOBIL UPSTREAM R	MINIQUE G. GILLA RESEARCH COMP	ARD, MARK V ANY execute	W. DOBIN, JAMES E. HOLL and THOM ed on November 5, 2002 and November	AS r 6,
This declaration is	made for the purposes of	all designations.			
					- 1

Sheet No	
Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY	
The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the	VIII (i) to (v) e request.
Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has calling of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):	ication specifi hanged since t
In relation to this International Application, ExxonMobil Upstream Research Company is entitled to cla U.S. Provisional Application No. 60/419,5605 by virtue of the following:	im priority of
An Assignment from CHUL-SUNG KIM, DOMINIQUE G. GILLARD, MARK W. DOBIN, JAMES E. HOLL at A. HAUGE to EXXONMOBIL UPSTREAM RESEARCH COMPANY executed on November 5, 2002 and 2002.	and THOMAS November 6,
This declaration is made for the purposes of all designations.	

	\bigcirc	Sheet No	8	(3)		
Box No. VIII (iii)	DECLARATION: ENTI	TLEMENT TO CL	AIM PRIOF	RITY		
The declaration mu (in general) and the	ist conform to the standardize e specific Notes to Box No. VI	ed wording provided j II (iii). If this Box is	for in Section not used, the	n 213; see Notes i is sheet should no	to Boxes Nos. VIII, VI ot be included in the re	II (i) to (v) equest.
	ne applicant's entitlement, as a pplicant is not the applicant applicant (Rules 4.17(iii) ar					
in relation to this	s international application					
KIM, Chul-Sung	is entiled to claim priority	of earlier application	n			
No. 60/419,505						
by virtue of the f	following:					
the applicant is t	the inventor of the subject	matter for which pro	otection wa	s sought by way	of the earlier applic	ætion.
This declaration	is made for the pursposes	of the following de	signations	for national and	or regional patents:	US
	•					
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Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY
The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.
Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):
in relation to this international application
GILLARD, Dominique G. is entiled to claim priority of earlier application
No. 60/419,505
by virtue of the following:
the applicant is the inventor of the subject matter for which protection was sought by way of the earlier application.
This declaration is made for the pursposes of the following designations for national and/or regional patents: US
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7,
This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".

Sheet No.9...



Sheet No. ... 10

Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):

in relation to this international application

HOLL, James E. is entiled to claim priority of earlier application

No. 60/419,505

by virtue of the following:

the applicant is the inventor of the subject matter for which protection was sought by way of the earlier application.

This declaration is made for the pursposes of the following designations for national and/or regional patents: US



Sheet No. ... 11

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Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):

in relation to this international application

DOBIN, Mark is entiled to claim priority of earlier application

No. 60/419,505

by virtue of the following:

the applicant is the inventor of the subject matter for which protection was sought by way of the earlier application.

This declaration is made for the pursposes of the following designations for national and/or regional patents: US



Sheet No. ... 12

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Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):

in relation to this international application

HAUGE, Thomas A. is entiled to claim priority of earlier application

No. 60/419,505

by virtue of the following:

the applicant is the inventor of the subject matter for which protection was sought by way of the earlier application.

This declaration is made for the pursposes of the following designations for national and/or regional patents: US

Sh	eet	No		1	3		

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII (i) to (v) (in general and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ (if furnishing declaration pursuant to Rule 26ter).
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.
Prior Applications:
I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Name: KIM, Chul-Sung
Residence: Houston, Texas (city and either US state, if applicable, or country)
Mailing Address: 8411 Hunters Creek Drive Houston, Texas 77024
Citizenship: USA Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Name: GILLARD, Dominique, G,
Residence: Houston, Texas (city and either US state, if applicable, or country)
Mailing Address: 2131 Swift Boulevard Houston, Texas 77030
Citizenship: Switzerland Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: O.9/O3/O.7 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

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DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America) Box No. VIII (iv)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII (i) to (v) (in general and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))

for the purposes of the designation of the	ne United States of America:				
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.					
This declaration is directed to the international application of which it forms a part (if filing declaration with application).					
This declaration is directed to international application No. PCT/ to Rule 26ter).	(if furnishing declaration pursuant				
I hereby declare that my residence, mailing address, and citizenship are	as stated next to my name.				
I hereby state that I have reviewed and understand the contents of the claims of said application. I have identified in the request of said application priority, and I have identified below, under the heading "Prior A the World Trade Organization, day, month and year of filing, any application than the United States of America, including any PCT internations. United States of America, having a filing date before that of the applications.	plication, in compliance with PCT Rule 4.10, any claim to Applications," by application number, country or Member of cation for a patent or inventor's certificate filed in a country al application designating at least one country other than the				
I hereby acknowledge the duty to disclose information that is known by \$1.56, including for continuation-in-part applications, material information application and the PCT international filing date of the continuation	ation which became available between the filing date of the				
I hereby declare that all statements made herein of my own knowledg belief are believed to be true; and further that these statements were ma- like so made are punishable by fine or imprisonment, or both, under S such willful false statements may jeopardize the validity of the application	ade with the knowledge that willful false statements and the action 1001 of Title 18 of the United States Code and that				
Name: HQLL, James E.					
Residence: Houston, Texas					
Mailing Address: 7807. Hickory Mill Court					
Citizenship: USA. Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: 9/02/03 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				
Name: DOBJN, Mark					
Residence: The Woodlands, Texas					
Mailing Address: 19 Clarion Ridge					
Citizenship: USA. Inventor's Signature: Mau Doub. (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: 9:117.63. (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				

Sheet No. . . 15 . . .

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII (i) to (v) (in general and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

101 the bai boses of the designation of the	te Omited States of America.
I hereby declare that I believe I am the original, first and sole (if on inventor is listed below) inventor of the subject matter which is claimed	ly one inventor is listed below) or joint (if more than one and for which a patent is sought.
This declaration is directed to the international application of which it for	orms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ to Rule 26ter).	(if furnishing declaration pursuant
I hereby declare that my residence, mailing address, and citizenship are	as stated next to my name.
I hereby state that I have reviewed and understand the contents of the claims of said application. I have identified in the request of said application priority, and I have identified below, under the heading "Prior A the World Trade Organization, day, month and year of filing, any application than the United States of America, including any PCT international United States of America, having a filing date before that of the applications	plication, in compliance with PCT Rule 4.10, any claim to Applications," by application number, country or Member of cation for a patent or inventor's certificate filed in a country al application designating at least one country other than the
Tio. ippirations.	
I hereby acknowledge the duty to disclose information that is known by §1.56, including for continuation-in-part applications, material information application and the PCT international filing date of the continuation	ation which became available between the filing date of the
I hereby declare that all statements made herein of my own knowledg belief are believed to be true; and further that these statements were malike so made are punishable by fine or imprisonment, or both, under S such willful false statements may jeopardize the validity of the application	ade with the knowledge that willful false statements and the section 1001 of Title 18 of the United States Code and that
Name: HAUGE, Thomas A.	
Residence: Houston, Texas	
Mailing Address: 1448 Heights Boulevard	
Citizenship: USA Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Name:	
Residence:	
Mailing Address:	
Citizenship:	Date:
This declaration is continued on the following sheet, "Continuation	of Box No. VIII (iv)".

Sheet	No.		_		16	
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Box No. IX CHECK LIST; LANGUAGE O	F FILING				
This international application contains:	This international application is accompanied by the following	Number			
(a) in paper form, the following number of sheets:	item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	of items			
request (including	1. A fee calculation sheet	: 1			
declaration sheets) : 16	2. original separate power of attorney	: 1			
description (excluding sequence listings and/or	3. original general power of attorney	:			
tables related thereto) : 18	4. copy of general power of attorney; reference number, if any:				
claims : 3 abstract : 1	5. statement explaining lack of signature	•			
drawings : 5	6. priority document(s) identified in Box No. VI as	•			
42	item(s):	:			
Sub-total number of succes	7. translation of international application into (language):	:			
sequence listings :	8 separate indications concerning deposited microorganism				
tables related thereto : (for both, actual number of	or other biological material	:			
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)				
computer readable form; see	(i) copy submitted for the purposes of international search				
(c) below) :	under Rule 13ter only (and not as part of the international application)	:			
Total number of sheets : 43		•			
(b) only in computer readable form (Section 801(a)(i))	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under				
(i) sequence listings	the copy for the purposes of international search under Rule 13ter	:			
(ii) tables related thereto	(iii) together with relevant statement as to the identity of the copy				
(c) also in computer readable form (Section 80 I(a)(ii))	or copies with the sequence listings mentioned in left column	:			
(i) sequence listings	10. tables in computer readable form related to sequence listings (indicate type and number of carriers)				
(ii) tables related thereto	(i) copy submitted for the purposes of international search under				
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	Section 802(b-quater) only (and not as part of the international application)	:			
sequence listings:	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left				
tables related thereto:	column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:			
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	(iii) together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	:			
	11. Sother (specify): Return Receipt Postcard	: 1			
Figure of the drawings which	Language of filing of the				
should accompany the abstract: 1	international application: English				
	AGENT OR COMMON REPRESENTATIVE and the capacity is not obvious from reading the required the capacity in which the person signs (if such capacity is not obvious from reading the required the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from reading the required that the capacity is not obvious from the capacity is n	iest).			
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	Date: September / ,2003				
JCPaul Plummer, Agent	•				
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1 Pote of natural association fields	For receiving Office use only 2. Dra				
1. Date of actual receipt of the purported international application:					
Гария По					
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:					
4. Date of timely receipt of the required corrections under PCT Article 11(2):					
5. International Searching Authority ISA/	6. Transmittal of search copy delayed until search fee is paid				
For International Bureau use only					
Date of receipt of the record copy by the International Bureau:					